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intimate relationship with my other informants. This, together with the fact that Gwiyap was, as far as I could determine, a normal Kwoma youth, tends to support the view that his behavior was typical rather than aberrant.

A Kwoma youth usually has had experience in sexual intercourse before he marries. He must acquire this experience in the face of danger from the relatives of the girl, who try to keep her chaste, and he must exercise the greatest secrecy lest they discover the relationship. He arranges a tryst with the girl at some secluded place in the bush, which they approach from different directions so that no one will see them together. Trysts are usually arranged at a chance meeting on a path or at the market. The boy must be careful, since merely to be seen talking to a girl is enough to arouse suspicion. The belief that ghosts frequent the paths after dark operates to prevent the boys from using the cover of night for assignations with girls in other hamlets.

Rape is defined by the Kwoma as sexual intercourse with a girl who is unwilling. It is much more dangerous than philandering because, in the native mind, it combines antisocial sexual and antisocial aggressive behavior. If caught in the act of raping a girl, a boy is in danger of being killed by her relatives unless he is able to escape to his own hamlet, where he will be protected by his own relatives; even then he is not safe from the long arm of sorcery which the relatives of the girl may use against him. A case of rape usually eventuates in a "court case"[12] as a result of which the boy pays an indemnity to prevent retaliation from the girl's relatives.

The strong negative sanctions on rape lead a boy to exercise extreme caution in his love making. If he approaches a girl to ask her for a date, and if she has a grudge against him, she may cry out that he is trying to rape her. Consequently, it is customary for a boy to wait for the girl to take the initiative, assuring himself that she wants him before he makes any advances. The boy does not remain passive, however. If he is interested in some girl, he carefully makes up

[12] The court system will be described in chap. vi, pp. 161–162.

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his face, combs his hair, and nowadays also dons his gayest laplap, and either walks past the girl's house or down a path where he is likely to meet her. He also plays an active part by resorting to love magic. He tries to put scrapings from a fingernail of his left hand or blood from the left side[13] of his penis into the lime gourd or cigarette of a woman whom he desires. If she ingests these magical substances, it is believed that she will have an uncontrollable sexual desire for the man who gave them to her.

In his sexual activities a boy also runs the risk of making a girl pregnant. If this should happen, her relatives try to force her to name the father of the child. If she names a particular youth as the father, he will be forced by her relatives either to marry her or to pay them an indemnity in shell money. Threats of sorcery or violence are employed to bring about the marriage or extract the payment. The reason given for the indemnity is that if a girl has had a child before marriage no one will pay a full bride-price for her. If a boy is willing to marry the girl anyway, he is not greatly inhibited by the fear of making her pregnant, although there is some social stigma attached to such an event. If the girl is unattractive, however, this factor assumes greater importance.

The danger from the relatives of a girl has certain consequences in controlling an adolescent boy's general behavior toward a girl as well as in determining his mode of sexual behavior. Breaches in etiquette with respect to females become much more serious than they were during childhood. We have seen that, if he stared at the genitals of his mother or sister as a child, he was scolded by the female at whom he stared; when he reaches the age of puberty such behavior is defined as specifically sexual. If he now stares at a girl, her relatives classify the act as a sexual advance and react to it accordingly. To be sure, they do not react as strongly as to an actual liaison, but they usually criticize him and may even insult and threaten him. Even staring at a girl's body in gen-

[13] The only explanation that I could get for the idea that the left side is important was that work is done with the right hand, and that this, for some reason, made the left side preferable in sexual matters.

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of furtive looking. Both Gwiyap and Mar, whenever they met an attractive girl, could and would report her appearance in detail, including a description of her breasts and genitals, although they had apparently obeyed all the precepts of Kwoma etiquette and kept their glance averted.

Boys often start their love making with their *sisters*. All the females of one's own sib and generation are termed *sister*, whether they are patrilineal parallel cousins of various degrees, or actually unrelated. It is theoretically taboo to cohabit with any related female, but in practice it depends on how closely she is related, the taboo being the more effective the closer the relationship. The factor of proximity[14] seems to lead a boy to choose his *sisters* rather than a non-relative with whom to learn to cohabit. He has a greater opportunity for arranging trysts with girls of his hamlet, since he is normally more frequently in their presence and he is not so conspicuous when he talks to them as when he speaks to a girl of another hamlet. Furthermore he runs less risk of being severely punished if he is caught, because there is a taboo on aggression between members of the same hamlet. Finally, he can more easily trust a *sister* not to claim she has been raped than he can a girl whom he knows less well and who has no reason to protect him against the consequences. Boys apparently resolve the conflict between the incest taboos, the advantages of proximity, and the prohibitions on intra-sib aggression by choosing the girls of their hamlet who are most distantly related.[15]

Gwiyap's exploits constitute a good example of the philandering of the Kwoma adolescent. He was a lively youth just past pubescence. One evening about a month after my arrival at Kwoma, I asked him if he had ever had sexual intercourse. He looked embarrassed and said noncommittally that he did not know. His confusion led me to suspect that

[14] Owing to patrilocal residence and patrilineal descent, all the girls of the same generation in the hamlet are *sisters*.

[15] I have no information on what would happen if a girl became pregnant as a result of an affair with a *brother*. Probably she would claim that she had been impregnated by a non-relative.

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he had had sexual experiences, but feared punishment or disapproval if he confessed, so I told him that boys of his age in America had intercourse and cited several examples. He was much interested, and asked if the girls' fathers would be cross if they found out. I told him that the boys kept it a secret. Then he wanted to know what would happen if one of the girls should have a child. I told him that Americans had a means of preventing pregnancy. He expressed his amazement at this, and the subject was dropped. The next night, however, when we were discussing other matters, he brought up the subject again and mentioned six girls, three of them his *sisters*, with whom he claimed to have had sexual relations. One of them was Awa, Mar's sister. He recounted his experiences with great gusto, but warned me not to tell Mar about them, especially about his affair with Awa.

About two months later Gwiyap appeared with his hair combed and a new laplap around his waist and told me that he had a date that afternoon with Famba, a girl of his own generation and lineage, whom he addressed as *sister*. After playing ball for a while with some of the other boys, he departed. That evening I asked him how he had fared. He answered that his "shitnothing" *brother*, Fit, had followed him to the tryst. He had told him not to come and finally had chased him back with a stick, but when he finally met Famba he had not dared do anything because he was afraid that Fit had sneaked after him and was spying.

Two weeks later while I was sitting with Gwiyap in front of my house, Kwiya came by carrying firewood. She was a girl of about the same age as Gwiyap who lived in the same house and belonged to the same lineage. As she passed he exchanged bawdy remarks with her, as is the custom between *brother* and *sister*. Then he said to me that he thought he would go to America with me when I left because so many girls liked him and asked him to cohabit with them that he would certainly get in trouble if he stayed at Kwoma. He then recounted his sexual experiences. There was Kwiya, the girl who had just passed, and Awa, Mar's sister, both of whom were his household mates. Then there was Famba,

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Way's daughter, who was of his lineage, and Mes' sister, Aya, who was of the other lineage of the hamlet. The only girl on his list whom he did not call *sister* was Gwimpi, an attractive girl of about his age who belonged to another sib and whom he said he intended to marry. I asked him about Gwanta, the only girl of the hamlet in his age group who was not on his list. His face fell, and he said that she did not like him. Then he brightened and remarked that she was no good anyway. He went on to say that Mes' sister, Aya, was the best of all because she had a very large vagina. Again he cautioned me not to tell Mar about his escapades. I asked him what Mar would do if he found out and he replied: "He would beat me. No, he would not beat me, but I would be much ashamed." Two afternoons later he came in looking very proud of himself and boasted that he had just cohabited twice with Awa in their house. Mey came in as he was talking and Gwiyap stopped short, explaining later that he did not want Mey to know for fear he would tell Mar.

Toward the end of my stay at Kwoma, Gwiyap began an affair with Gwanta, the girl who had previously turned him down. One afternoon he came to my house greatly excited, saying that he had met Gwanta on the path and that she had told him that she was willing to have intercourse with him. He had given her younger brother two razor blades and told him to give one to Gwanta and keep the other himself, and to come and tell him when Gwanta went to the spring to get water so that he could meet her there. He said that he intended to ask her to come and sleep under Wysep's mosquito net. When he met her later that afternoon in her house, she agreed to this proposition; her younger brother said that he would come, too. Gwanta told him that he could not, asking him how many people he thought a mosquito net would hold.[16] Gwiyap also reported that she had refrained from calling him by his name.[17] Later in the evening I asked him if

[16] Gwiyap was apparently very indirect in his remarks so that neither the mother nor the brother of the girl suspected anything.

[17] It is the custom for engaged persons not to address one another by name.

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882 he thought that Gwanta would really come. He said that he
836 did not know, appearing less enthusiastic than before. Then
602 he said that he intended to sorcerize Way and marry Gwanta.
124 When I pointed out that she was his *sister*, he said, "Oh, that
835 does not matter; she is not my real sister; just a sister noth-
[648] ing." The next day he reported that she had not come. On
[964] the following day a recruiter came and Gwiyap "signed on"
to work on a white plantation and left the tribe.

835 A Kwoma boy, despite his disregard of some of the incest rules, respects them with reference to his real sister. All informants agreed that sexual intercourse with a real sister never occurred. This, of course, is not proof of the absence of brother-sister incest, but it does indicate its rarity. On one occasion when Gwiyap was telling me his sexual exploits, I asked if he had ever had intercourse with Afi, his real sister. He became very serious and said: "No, indeed! She is my real sister. These other girls that I have told you about are my 'sisters nothing.'[18] If I had sexual intercourse with her, I would be terribly guilty.[19] These other sisters are all right."[20]

882 Unmarried youths do not as a rule philander with married
837 women. Besides the fear of retaliation from the husband, the
[861] factor of age may also play a part in this restriction. There is a strong feeling that a man should not marry or have sexual relations with a woman older than himself. Gwiyap even

[192] [18] *Sumwe sumwe mowe*—"nothing sister"—classificatory sister; *mowe sakano*—"sister of the same seed"—real sister.

[196] [19] *Homba*, as nearly as I could discover, is the word which the Kwoma use to describe guilt or shame. They have another word for fear or anxiety. While the origin of this "guilt" may be quite complicated, the punishments that a boy receives as a child for having an erection in his sister's presence, and for looking at her genitals, probably play a part in producing the feeling. It was this word which Gwiyap used to describe what his feelings would be if Mar should find out about his affair with Awa.

[835] [20] A myth supports the Kwoma attitude toward brother-sister incest.
[539] "Once upon a time, long, long, long ago, a father and mother went to the swamp to collect sago flour. Their children, a boy and girl, stayed at home. They had sexual intercourse. When the parents came home, the girl told them what had happened. The father was very angry and killed his son. Since then brother-sister incest has been forbidden." Although in real life a father would probably not kill his son for this crime, because sons are an asset, the myth, which is often told, probably exerts an inhibitory effect on sexual behavior between brother and sister.

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felt this with respect to a girl who was only a few years his senior, maintaining that he was not interested in her because she was too old for him.

A boy gains prestige from his sexual exploits. Although he must be careful not to tell anyone who might inform the girl's relatives, he frequently boasts of his conquests to those of his *brothers* with whom he is most intimate, unless, of course, the girl happens to be closely related to them. A lad who enjoys the reputation of being a successful philanderer gains the respect of his fellows. Although seldom praised to his face, he receives added motivation from hearing others complimented for their successful exploits.

A youth normally does not marry until he has undergone the ceremony which makes him an adult. He begins courting, however, during adolescence, and he is subject to all the restrictions which control the choice of a mate. Although a boy may successfully engage in secret philandering with a *sister*, open courtship and marriage would bring their relation under public obloquy. Incest and other marriage restrictions, therefore, influence a boy's choice more strongly in courtship than in philandering. His selection must be made from a relatively small number of persons. The prospective bride should be slightly younger than he, but must be already pubescent. She must be a member of some sib other than his own and not closely related to his *mother's brother*, *mother's sister*, *father's sister*, *sister's husband*, *wife*,[21] *friend*, or *ceremonial father*. Finally, she must be unmarried.

The Kwoma give a number of different reasons for their restrictions upon marriage between relatives. One of their rationalizations stems from their theory of reproduction. They believe that the foetus develops from a combination of the sperm of the man and the blood of the woman. They further believe that if a man and woman with the same sperm-blood combination should produce a child, he would be sickly and apt to die. This idea is related to their theory that the renewal of blood is necessary to growth and health. Since

[21] A man may not marry a relative of his first wife while she is still alive.

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liaison. Those who break the rule are most frequently neurotic individuals who dare not or cannot get a spouse from without the sib; this was the case with Mar and his betrothed, Yawa. Susceptibility to sorcery, that is frequent sickness, is regarded as an excuse for breaking the rule, since it is believed to be dangerous for such a person to have contacts outside the sib. Out of eighteen cases, only one marriage and one betrothal were between relatives. Both cases were between *brother* and *sister*, and in both there was no known blood connection.

Theoretically a boy's parents decide whom he shall marry. They discuss with the parents of a girl of the proper age the advantages of a marriage between their children, and often exchange small presents to formalize the betrothal if it is mutually agreeable. There is no set occasion when betrothals take place; usually they result from an informal conversation at the market or in the house tamberan. There is no prescribed age for betrothal. Parents usually do not arrange a marriage for their child until he has reached the age of puberty, although a betrothal may be agreed upon even during the infancy of the parties primarily concerned. There is nothing particularly binding about a betrothal. The exchange of gifts is balanced, so that, if the engagement is broken, neither family is the loser. Although betrothal binds neither boy nor girl to marriage, it is important enough so that they seriously consider one another as mates and only break the engagement if, for some reason, they feel a mutual antipathy.

More marriages result from actual courtship, which follows approved rules, than from betrothals arranged by the parents; sometimes they result from philandering. The woman takes the initiative in courting as well as in philandering, for here too the youth fears retaliation from the girl's relatives if he is too forward. Courtship is carried on during chance meetings on paths, or in visits to the house of the girl on the pretext of seeing her father or brothers. On these latter occasions the boy does not even speak to the girl, but shows off by making witty conversation with her brothers

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back,[22] and never to leave the hamlet unless she wears her bag. When she meets a man on the path, she must step aside with her back to the path and must not speak to him until he has passed her.

A girl, like a boy, normally has her first experience in sexual intercourse during adolescence. She, too, must be secretive in this behavior, but for reasons quite different from those which force a boy to hide his philandering. The only danger which a girl faces from a non-relative in her sexual adventures is that of rape or of being aggressively attacked. In contrast to the boy, she stands in no danger of punishment from the relatives of her lover if she is discovered. Her own relatives, particularly her brothers, are the ones from whom she must hide her behavior. It is they who try to prevent her from philandering because, if she gets a reputation for being loose, and particularly if she becomes pregnant, her value as a potential wife is decreased and her brothers will be unable to get such a high bride-price when she marries. The Kwoma rationalization for the bride-price is, in fact, that it is a payment by the husband to the brothers of his wife for having kept her pure and unblemished up to the time of her marriage. Since a brother uses the bride-price paid for his sisters to buy his own wife or wives, it is not a matter of indifference to him if his sister loses her reputation. If a girl becomes pregnant, therefore, she may expect a severe scolding and perhaps a beating from her father or brothers.

The pressures exerted upon an adolescent girl lead her to solve her sexual problem in a somewhat different manner from the boy. As has already been shown, it is she who makes the advances rather than the boy, which she can do since she runs no risk of punishment from the boy's relatives. A second consequence of the differential sanctions is that, since the girl risks punishment from her own relatives, it is more danger-

[22] The woman's net bag is hung from the forehead down the back and when empty reaches almost to the knees. It thus functions as an article of clothing as well as a carrying device.

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836 ous for her to philander within the hamlet. From this it [835] would be expected that she would be less likely to violate the incest prohibitions than would a boy. Since my only data on [124] the sexual affairs of adolescent girls were obtained from male informants, it is impossible to check this deduction.

882 By the time a Kwoma has reached adolescence he has learned to cope with most of the environmental dangers. He continues to react to these with either aggression or avoidance, depending on circumstances, previous practice, and the dictates of custom. With his increase in size, however, aggression comes more and more to replace avoidance as a response to a threat of pain. Animals and reptiles which loom large to him as a child now seem less ferocious. He kills them instead of fleeing from them. The adolescent likewise depends less upon his parents and relatives to help him cope [757] with sickness. He now attends to his own sores, instead of [593] asking his parents to treat them. When he has a headache, stomach-ache, or sprained joint he sometimes bleeds himself, but more frequently requests a brother to make the slashes for him, returning the favor when his brother needs to be bled.

[754] A boy comes into more direct contact with the sorcery complex during adolescence. Philandering and increased motility bring him into greater danger from this source; and he now must support the adults of the hamlet in anti-sorcery behavior when one of his relatives falls sick. He does not take the lead in this aggressive reaction to sickness, but discusses with the adults the probable identity of the sorcerer and attends, but does not participate in, the sorcery court.[22]

[795] Adolescents still believe that ghosts are dangerous and simultaneously avoid and curse them. They are still nervous whenever they have to venture very far from their dwelling in the dark, but they dare go farther at night than do chil- [769] dren. They keep at a distance from burial platforms and the "land of the dead." They are jumpy about strange noises at night, and take particular care not to whistle at this time.

[22] The anti-sorcery complex will be described in detail in chap. vi, pp. 137–8.

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he is confronted by a non-relative, or who refuses to retaliate when someone has taken advantage of him, is severely criticized by his relatives. The second factor is closely related to the first. A Kwoma man gains prestige by being called *harafa ma malaka* (big older brother man),[39] i.e., one who refuses to be taken advantage of in any way. A man is respected in his own community in proportion as he is feared in others. To become generally known as *harafa ma malaka* is not a wish prompted by idle vanity alone, for with it come specific privileges. Such a person has fulfilled one of the requirements for membership in the highest stage of the yam cult, and thus need not depend on others to plant his garden. His relatives will be eager to help him when he asks for their cooperation in an economic task, although many of them might find that they had more pressing matters to attend to if he were of low status. A man who has either achieved this status or shown promise of achieving it can also expect to find favor with the most attractive women both in philandering and marriage. Finally, his word will carry much weight in any controversy, either at home or at court. Although this position of prestige is not achieved until adulthood, a man starts during childhood to establish the reputation of being hard, and continues the process during adolescence. During childhood his aggression is directed for the most part toward his *brothers;* with adolescence he begins to exhibit his toughness toward non-relatives.

The non-relatives most threatening to an adolescent boy are the relatives of the girls with whom he philanders. He reacts to them, as we have seen, by being secretive, by concealing the behavior for which they will punish him. He does not dare be openly aggressive toward them, for his relatives would be loath to support him, even non-relatives being granted the right to protect their female relatives. A boy does, however, react with verbal aggression behind the backs of such persons. He boasts to his *brothers* that he is not

[39] Cf. aggressiveness of older brothers and submissiveness of younger brothers. See chap. iv, pp. 57–58.

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afraid of So-and-so: "His sister likes me, and he cannot stop me from philandering with her. I am a hard man."

The persons who have, or attempt to have, affairs with a boy's *sister* constitute another category of persons who menace him. The danger in this case is not that of physical injury but rather the threat that the value of his *sister* may be depreciated, leaving him less money with which to pay for a wife of his own. A boy is not only supported by his community for reacting aggressively toward his *sister's* lover, he is punished by them if he does not. Custom limits, however, the amount of aggression that he may show. If he oversteps these bounds, he loses the support of his own relatives. The socially expected reaction when a boy discovers that someone has been making free with his *sister* is to retaliate in kind, that is, to philander with a *sister* of his antagonist. He is also expected to shout insults at the latter, to challenge him to a fight (which never eventuates), and to threaten to kill him if he persists. If he catches a lover *in flagrante delicto* with his *sister*, the boy is expected to attack him physically. He may even kill him, but it is wiser not to do so since such an act would certainly precipitate a feud.

Even in courtship, the father and *brothers* of the girl are a source of danger. They stand in judgment over the suitor and his actions. If they do not approve of him, they seriously interfere with his desires. His reaction toward them is a combination of aggression and avoidance. To their face he is alternately friendly and jokingly aggressive; behind their back he may show marked hostility. When Waramus interfered with Mar's courtship of his daughter Aya, Mar accused him behind his back of being a sorcerer and said that he was going to challenge him to a fight. Several times he expressed the intention of "punching Waramus in the nose," and once he told me that he would like to go down and spear the man while he slept. In his face-to-face relations with Waramus, however, Mar was polite to the point of obsequiousness.

Gwiyap's behavior toward the relatives of his betrothed,

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882 584 602 578 Gwimpi, exemplifies Kwoma custom in this respect. One day he told me that Nowel, Gwimpi's brother, had insulted him, and added: "If that Nowel comes around here again, I am going to beat him up. You won't be angry with me if I give him a good licking, will you?" The threatened fight never occurred. Although Gwiyap spoke sneeringly of Nowel several times thereafter when the latter was not present, he was especially friendly to him whenever they were together. A month or so later he began addressing Nowel by the brother-in-law term. The latter would protest at this and deny the relationship. On one occasion Nowel's *paternal uncle* was present, overheard Gwiyap addressing Nowel in this way, and asked him the reason for it. Gwiyap replied: "I am going to marry your niece. Have you anything to say about it? If you don't like it, I will fight you." (Gwiyap was much smaller than the man whom he was challenging.) The uncle laughed indulgently at the threat and jokingly replied, "You are talking pretty big for a child." That evening Gwiyap asked my help in case a fight should result, but nothing came of the matter.

Fear of retaliation prevents a boy from being seriously aggressive toward his future relatives-in-law. They stand as a unit against him, whereas his own relatives will not support him in any unwarranted aggression. If the relatives of the girl do not exceed their rights, a boy is not considered justified in going farther than in the case reported above. Possibly another reason why a boy is inhibited from direct expression of his hostility toward his future in-laws is that the punishment he has received in the past for being aggressive toward his own father and *brothers* has generated anxiety which is generalized to this new situation.[40]

882 836 602 578 An adolescent boy may be frustrated by the girls whom he flirts with or courts. His sexual wishes or his desire for marriage may be blocked because the girl is not interested in him. He must submit to this frustration, for to express his aggression would evoke retaliation from the girl's relatives.

[787] [40] Mar, directly after Waramus insulted him, had a nightmare in which his father tried to take his soul.

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If he dislikes a girl who makes advances to him, he may turn her down, but even this is dangerous, for if he antagonizes her too much, she may claim that he attempted to rape her. If he dislikes a betrothed girl who is already living with him, he may express his aggression by scolding her and by criticizing her behind her back, but if he harms her, he is in jeopardy of retaliation from her relatives.

Foreigners constitute a final category of persons whom an adolescent boy fears. He continues to avoid them as he did during childhood. On the other hand, he is now eligible to go on a head-hunting raid and thus has the opportunity to react aggressively toward them. Since head-hunting is primarily an adult occupation, however, its description, including examples of the reactions of adolescents, will be postponed.

An adolescent girl reacts to pain and danger in a manner frequently similar to, but often different from, that of a boy. Both sexes react similarly to the natural environment. While girls do not participate in hunting, they are not loath to kill a snake or lizard which gets in their way. Toward insects, noxious flora, sorcery,[41] and ghosts, their behavior is also quite comparable. On the other hand, whereas boys are initiated into the cult and thus learn a special type of behavior toward *marsalai*, girls do not undergo such an initiation. In fact, they must avoid the house tamberan during ceremonies, like children, and are supposed to believe that the sounds of gongs and flutes are the voices of the *marsalai*. Nevertheless, adolescent girls have a fairly good idea of what causes the sounds. I once purchased several wooden figures which represented *marsalai*, and was told to hide them carefully, for if a child or a female saw one it would cause their death. One afternoon Kar visited me with his two nieces. Seeing the figures under the bed he pulled them out to examine them, apparently oblivious of the presence of his nieces. The two girls sat watching the proceedings and whispering to one another about the objects.

[41] Girls do not participate directly in anti-sorcery behavior, but they are as vociferous in their verbal aggression against putative sorcerers as are boys, if not more so.

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121 of money, hearing words of praise, receiving affection, avoiding disgusting objects, and satisfying appetites are some of the common acquired rewards which are present in our society.

121 853 The Miller-Dollard paradigm may be illustrated from the Kwoma data presented in the previous chapters. An example will be taken more or less at random from each period in the life cycle in order to elucidate the terms of the paradigm. Kwoma infants when they are hungry turn toward their mother's breast and suckle. In this case the drive is hunger; the response is turning toward the mother's breast and suckling; the cues are the sight of the mother and her breast, and the feeling of contact with her; and the reward is the ingestion of milk. From many repetitions of this sequence an infant learns the habit of turning toward the mother's breast and suckling when he is hungry in the presence of the mother.

121 862 During the weaning period a Kwoma child learns not to cling to his mother.[11] In this case the drive is pain from being pushed away and the fear of being scolded, the response is staying away from the mother, the cues are the presence of the mother, and the reward is escape from pain and reduction of fear.

121 796 858 During childhood a Kwoma boy learns to avoid the house tamberan while ceremonies are being held. The drive in this case is anxiety (he is warned that he would die if he did so); the response is avoiding the house tamberan; the cues are the sound of the gong rhythms, the statements of others that a ceremony is being held, the sight of his father, *uncles*, and older *brothers* decorating themselves; the reward is escape from anxiety.

121 883 836 In adolescence a boy learns to carry on secret love affairs with adolescent girls. The drives are sex, sex appetite, and anxiety (sex impells him to seek girls, sex appetite leads him to choose a girl culturally defined as attractive, and anxiety impells him to do so secretly); the response is the complex of behavior which leads to and includes sexual intercourse in the bush; the cues are the sight of an attrac-

[11] Not to cling to his mother should be thought of as a habit of avoidance involving active responses, rather than as the absence of a habit.

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tive girl, verbal permission from her, the environmental scene which has both public and secluded spots, etc.; the reward is sexual orgasm, satisfaction of sex appetite, and anxiety reduction. The adult habit of beating gongs against sorcery when a relative becomes ill may be used as a final illustration of the paradigm. The man's drives in this case are fear that he, too, may become ill unless the sorcery is stopped, fear that his relatives may die, and anger at the sorcerer; the response is going to the house tamberan and beating the gongs in a particular way; the cues are those which indicate that a relative is sick; and the reward is a reduction in fear and anger. Thus, although the habits become more and more complex[12] as the individual matures, the four essentials of learning and performance pertain to the behavior of individuals of all ages.

A Kwoma child learns but a small part of his cultural habits by free trial and error, that is, without some member of his society guiding and directing him.[13] Were he to do so, he would learn those habits which were most rewarding to him and to him alone.[14] This, however, is not what actually happens. He is forced to learn, not the habits which might be most rewarding to him alone, but the habits which are specified in the culture as being best. For generations before his birth his forbears have tried various ways of dealing with one another and with their environment. Those habits which were successful have persisted in the form of customs, while those which have failed have either suffered extinction or passed out of existence with the untimely death of those who

[12] It is not the particular purpose of this chapter to detail how complex habits are learned, although this is a crucial problem. Hull has suggested a very important mechanism as a partial explanation in his theory of the assembly of behavior segments. This theory, together with the integration of habits on a cultural level, should go far toward the solution of the problem. See C. L. Hull, "The Mechanism of the Assembly of Behavior Segments in Novel Combinations Suitable for Problem Solution," *Psychol. Rev.*, XLII (1935), 219-245.

[13] Limited trial and error operate in nearly all learning situations. The concept *of free* trial and error is used here to mean learning which takes place without the guidance or interference of any other person.

[14] See C. L. Hull, "The Concept of the Habit-Family Hierarchy and Maze Learning," *Psychol. Rev.*, XLI (1934), 33-54, 134-152.

412 [482] The stone adze is the most all-important tool and is usually carried about over the shoulder wherever a man may go. Other tools are a hafted hardwood pestle for crushing sago pith, pig's tooth scrapers and engraver, 323 bird bone needle, bamboo knife, coconut shell dipper, etc. Pottery is made 286 by the coiled method without kick. Net bags are made from bark string. There is 285 no basketry. A rectangular engraved wooden shield or an oval pigskin 714 shield is used in war. A pointed bamboo spear is used for hunting both 411 heads and pigs, the cassowary bone dagger for a hand to hand struggle.

291 Clothing for both sexes is nil. Ornaments consist of feathered plumes, 301 bamboo combs, nose plugs of dogs teeth or bamboo, shell necklaces, and plaited leg and arm bands.

304 Both sexes have their ear lobes pierced but not extended, and the septum pierced. The alae of men are usually pierced in addition. Both sexes are cicitrized with a bamboo knife, the men have two half moons cut just above each nipple, the women a circular design around the navel. [881] (Boys are initiated into manhood by having their tongues and penises slashed.)

836 584 The only restriction to premarital sexual intercourse is that it is carried on as a sort of intrigue unknown to the parents. The girl takes the initiative in this as she does in the proposal of marriage. (This does not include infant betrothal which takes place in only part of the marriages).

848 847 845 In the case of an illegitimate birth, the child is adopted or killed. One of twins or a monstrosity meets the same fate... There is bride price, patrilocal

583 591 611 595 marriage, patrilineal decent, polygyny.

794 There is a cult of all adult men, whose esoteria are carved and painted figures, the blowing of sacred flutes and the beating of gongs. There are [532] [534] two progressive stages to this cult. The first step of these is either minjema or yenema; half the youths being introduced into one, and half into the other, placement being determined partly by patrilineal inheritance and

114 Watakaup came in the afternoon with an invitation to come to Ambunti. I think I'll go.

April 22, 1937.. It was raining this morning, so I decided not to go to Ambunti but sent Mar and Mas to get karosene, flour, etc. I went down to [289] War's to look at his house. The whole family was at home. The women were sewing mat bags, as well as War who was sewing a bag. His was working a wafa nggaa from afoaamu bone. Mar was lying on a bed sick.

I went up to the house tamberan to get its construction. Way was shaping the outside of a gong, but the mosquitoes drove me home. I sent 836 Gwiyap and Way to wash clothes. Gwiyap came back full of excitement about Gwanta. He had seen her on the way, and she let it be known she wanted to have intercourse with him. He bribed Gwanta with 2 razors, one for him and one for her, to come and tell him when she next went down to get water so he could meet her there. He said he was going to ask her to come and sleep [593] with him at Wisep's house in his "klambu". She had suggested it the other night but her father had forbade her.

This afternoon he put on Mar's singlets and a brand new orange "lap lap" and went down the hill. He stayed all afternoon. Tonight he said he had called at Way's house. Gwanta and her mother were there--they sat and talked. She was sitting on the bed, and he asked her if there were plenty of "nats nats." She said yes. Then he told her if they bothered her too much to come up and sleep in his mosquito net. She said she would. Gwamb who was also there, said he would come too, but Gwanta said no--how many people do you think the net will hold. Mar remarked that she did not call him by his name and that she told him not to go with us but to stay.

126 I spent the afternoon drawing the house tamberan. Way, Yet, Kis and
000 War were sitting in the Police House, War working a nasas from Limbon. Kis was working on Kar's nasas. At about 3:30, Way got up and worked on his gong. War came over and discussed it with him. Wof visited me--Yet went to Marok's and the two went to Sombundura. Pokotay and Afok came up just before sunset.

123 This morning Kum was in the "kai kai" room while I was working--he asked me for a cigarette butt. I told him he was karagarda yikafa; he was preoccupied for a moment and then, still preoccupied, kicked me and then turned to other things. For the last couple of days he has come up to me and pulled my arm about--I have resisted him a little, and he has gritted his teeth and yanked and seemed to get great pleasure from moving it.

836 Owiyap just came back from the house tamberan at 8 p.m. I asked him if he thought Gwanta would come up--he said he didn't know. He was not as excited tonight as he was this afternoon; I feel he doesn't believe she'll come.

754 Then he said he wanted to make poison against Way and that he wanted to
584 marry Gwanta. I remarked she was his nowa. He said nevermind, she was nowa="nothing" (sumba sumba nowa--real sister is nowa sakana).

April 23, 1937. Owiyap has gone down to Yet's, so he says, obviously to
754 get a glimpse of Gwanta. She did not come last night. War, Way and a group from Wanyi went by with spears to a sorcery court at Sowinambi's. His wife is still sick.

863 Kaya just scolded Kum for defecating close to the house. "You clean it up; if you do it again I'll spank you." Now he has run away. Kaya is calling and looking for him and has sent Way in search for him. Chinawa and Wof have gone to scrape sago, and Kaya is staying at the house. Owiyap and Way searched in vain but came back after a short while.

587 over he came on her from behind and had intercourse with her. She ran away
837 and was very indignant. She said Dagwur was just like a ghost and went to live with War. Yat came back from his job and was angry with War and a big argument followed which was settled by War's buying Yat a new
[583] wife. This he did -- Gwase' child, Kafa. He paid two axes, two large knives,,a lary shell necklace and twenty strings of shells.

837 During the Yeamma ceremony a Yeamma wife will make an appointment
786 with a Minjema man. He will come around in the evening after she has put her children to bed and said that she is going out. Then she will meet the man in the bush close to the house and have intercourse with him there.

#115 836 Before I came Mar had once decorated himself grandly and gone to the marketplace. He met Kis' present wife (though she was not married at the time), who asked him to go into the bush with her. He agreed but before they did they met a group of men smoking in the road. Kis joined them, and they returned to the market. Later Kis' wife spoke to Mar about what had happened, but she never came up to him again and now she is married to Kis.

March 7, 1937.

#115 583 Mas is married to Mar's sister and has not paid for her yet. Mar wants to marry Mas' sister Aya, but War will not allow it unless he pays immediately. Mar can ask payment to be completed on his own sister and then return it to War but he is afraid to force War, not because he is afraid to fight him but because he is afraid of sorcery.

November 29, 1936.

*115 About a week ago Gwiyap and Tip were down at the market place watching
883 the women trading. A girl came up to Gwiyap and talked with him. He then
584 told Tip that she wanted to marry him, but that he had refused and said he was too young to have a wife. Later in the day it turned out that he had turned his option on her over to Mar. In telling me about the situation he said that plenty of girls wanted to marry him but that he was not interested.

The night before last he dreamed of a great deal of food being brought to him in a net bag.

*115 Yesterday when I was talking to him, I asked if he had ever had
• 836 intercourse. He was noncommital, "Mi no savvy"; I mentioned that I had,
123 and to make it sound convincing, listed several names. He was very much interested and wanted to know if the girls' fathers would be cross if they found out. I told him we kept it sedret. Then he wanted to know what would happen if one of the girls should have a child. I told him that we had a machine to prevent that. That evening when he came up after supper I began pumping him about ghosts and as soon as there was a lull in the conversation he broke in with a tale of his escapades. He named three girls, three of them from his sib, as well as Mar's sister, with whom he had had intercourse--both in the bush and in the house. He told this in great glee and added, "Fashion belong me all the same you"(my customs are the same as yours). When he told me of Mar's sister, he made me promise not to tell Mar about it.

February 13, 1937.

126 Yesterday Tip left. Owiyap and I put the ceremonial figures in boxes.

+115 Owiyap had a dream last night. Some master whom he did not know was
787 living here and had a lot of boxes which he and all the other Hongwem carried down to the pinnace. The boxes were very large and heavy. When they reached the market place, the master found that one box was missing; he was very cross, and sent them back to look for it. Owiyap finally found that another Hongwem had taken it to his house. He reported this to the "kiap" at Ambunti who told him that if he returned the box it would be all right.

602 Kwiya came by carrying firewood and Owiyap yelled something bawdy
+115 several times. She answered, evidently in the same vein. I asked Owiyap if she understood him. He said that she did, but that it was all right
+115 between 'brother' and 'sister'. Then he said that he thought it would be
836 good to go away with me, for so many girls liked him and had intercourse
883 with him that he would get in trouble, and then he recounted his conquests again: Kwiya, Awa, Way's older daughter, Mas' sister, and Sowinambi's daughter. I asked him if he hadn't had intercourse with Way's other daughter. His face dropped and he said that he hadn't -- that she didn't like him. Then he brightened and said that she was no good anyway--"bone nothing." (To me the two seem nearly of an age and look very much alike.) Then he said that Mas' sister was the best of all--she has a very large vagina. He cautioned me not to tell Mar about having intercourse with his sister (Awa), for "he would fight me." "No, he would not fight me, but I would have shame."

He came in this afternoon about four, sweating, and boasted that he had just had intercourse twice with Awa in their house. Mey came in, and he kept still. Later he said that he didn't want Mey to know, for he might tell Mar.